



State of Ohio Environmental Protection Agency

Southwest District Office

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401 East Fifth Street
Dayton, Ohio 45402-2911

TELE: (937) 285-6357 FAX: (937) 285-6404

Bob Taft, Governor
Maureen O'Connor, Lt. Governor
Christopher Jones, Director

January 23, 2002

Mr. Johnny Reising
U.S. Department of Energy, Fernald Area Office
P.O. Box 538705
Cincinnati, OH 45253-8705

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RE: APPROVAL OF RCI 20104-001R, OSDF INTERVENING LAYER THICKNESS

Dear Mr. Reising:

This letter provides Ohio Environmental Protection Agency approval of the OSDF Intervening Layer Thickness RCI 20104-001R. Because the RCI itself does not include a description of all of the important factors that are relevant to this issue, we summarize the path-forward as follows:

- The HDPE liner in the cap will be up-graded from 60-mil to 80-mil. Cell 1 will be the only OSDF cell with a 60-mil HDPE geomembrane. The others will be capped with the 80-mil material.
- The select impacted layer directly beneath the cap contouring layer will be underlain by a two-foot layer of Category 1.
- In the portion of Cell 2 where waste placement has already exceeded half the design height, the original 4-foot intervening layer will continue to be used as the design standard. This will prevent a top-heavy condition.
- No waste will be moved in those areas of Cell 2 where waste has already been placed in the horizons directly under the select impacted material layer. These areas of Cell 2 will not follow the criteria that 2-foot of Category 1 material will be placed directly beneath the select layer.
- DOE will set as a goal the elimination of the use of off-site aggregate for road beds and off-site coarse aggregate for erosion control in contaminated remediation areas and in the OSDF. Concrete D&D debris will be crushed to supply 100% of those needs.
- We have received a grid diagram which indicates by coordinates which grids in Cells 2 and 3 will be completed with the 2-foot intervening layer and which grids will be completed with the 4-foot intervening layer.

During the evolution of the concept of revising the thickness of the intervening layer, DOE has provided several previous submittals. Approval of this RCI should not be construed

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to mean that we agree with all the assumptions and details of these documents.

Should you have any questions, please contact Tom Ontko or me.

Sincerely,



For Thomas A. Schneider
Fernald Project Manager
Office of Federal Facilities Oversight

cc: Jim Saric, U.S. EPA
Terry Hagen, Fluor Fernald
Mark Shupe, GeoTrans, Inc.
Francie Hodge, Tetra Tech EM Inc.
Ruth Vandergrift, ODH